

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-7. *(Cancelled)*.

8. *(Currently Amended)*: A switching center (~~SW; ATMS~~) connected to a data transmission network, the switching center comprising: (FRN; ATMN) and including
call processor means, (~~CP'; CP''~~) and
a switch matrix (~~SM; AM~~), and characterized in that it further comprises
an Internet router,
wherein (RT'; RT'') and in that the call processor means controls (CP'; CP'') include means
for controlling the switch matrix (SM; AM) so that calls to an Internet service provider pass through
the Internet router in a virtual circuit that corresponds to the Internet service provider.

9. *(Cancelled)*.

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10. (*Currently Amended*): A switching center (~~SW~~) connected to a data transmission network, the switching center comprising: (FRN) and including
call processor means, (~~CP~~) and
a switch matrix (~~SM~~), and characterized in that it further includes
a plurality of modems connected to the switch matrix, wherein (MD1, ..., MDm) and in that
the call processor means controls (CP) ~~include means for controlling the~~ switch matrix (~~SM~~) so that
calls set up between analog subscriber terminals and an Internet service provider pass through the
plurality of modems in a virtual circuit that corresponds to the Internet service provider.

11. (*Cancelled*).

12. (*New*): A switching center connected to a data transmission network, the switching center comprising:
call processor means,
a switch matrix having a synchronous time-division multiplex link, and
a plurality of modems connected to the switch matrix via the multiplex link, wherein the call processor means controls the switch matrix by assigning analog subscriber terminals to time slots so that calls set up between the analog subscriber terminal and an Internet service provider passes through the plurality of modems.

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13. (*New*): The switching center according to claim 12, the switching center further comprising an Internet router coupled to the plurality of modems through the switch matrix.

14. (*New*): A switching center connected to a data transmission network, the switching center comprising:

a call processor,

a switch matrix having a synchronous time-division multiplex link, and

a plurality of modems connected to the switch matrix via the multiplex link, wherein the call processor controls the switch matrix by assigning analog subscriber terminals to time slots so that calls set up between the analog subscriber terminals and an Internet service provider passes through the plurality of modems via a virtual circuit corresponding to the Internet service provider.

15. (*New*): An ATM switching center connected to an ATM data transmission network, the ATM switching center comprising:

a call processor,

an ATM switch matrix, and

a plurality of ATM/ADSL modems connected to the ATM switch matrix, each ATM/ADSL modem multiplexing a plurality of analog subscriber terminals to concentrate Internet frames received over the analog subscriber lines, wherein the call processor controls the ATM switch matrix so that calls set up between the analog subscriber terminals and an Internet service provider is routed to the ATM data transmission network via a virtual circuit corresponding to the Internet service provider.